



AVPro edge

**18GBPS UNIVERSAL SIGNAL
MANAGER/SCALER, EDID
MINDER & AUDIO DE-EMBEDDER
AC-SC2-AUHD-GEN2**

AVPRO EDGE'S AC-SC2-AUHD-GEN2 IS THE IDEAL SOLUTION FOR INTEGRATORS THAT ARE NEEDING TO DISTRIBUTE A SIGNAL TO A VARIETY OF DISPLAYS AND KEEP AN OPTIMAL PICTURE. INTEGRATORS WILL ENJOY IT'S VERSATILITY OF NOT ONLY BEING ABLE TO CONTROL UP/DOWN SCALING BUT HANDLING EDID ISSUES (16 PRE-LOADED EDID SETTINGS FROM LEGACY TECHNOLOGY (480) TO FULL 4K AND HDR OPTIONS) AND BEING ABLE TO ACCESS AUDIO FROM THE STREAM.



This scaler is ready for future content as well as it's able to distribute 18Gbps signaling. Yet if you have 480, 720, or 1080 displays the AC-SC2-AUHD will make sure it's getting the right picture. This allows flexibility in system design and allows you to maximize a budgets by providing HDR content where you want it. Overcome problems with legacy sources with Adaptive Scaling Mode. This will convert all signals less than 1080P to 1080P and will bypass 4K and HDR signals through untouched. This will allow you to comfortably install legacy sources in modern systems.

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AC-SC2-AUHD-GEN2

SCALING CONNECTION DIAGRAM



AC-SC2-AUHD-GEN2 CAN GIVE THE SINK ANY RESOLUTION FROM 480P TO 4K60 NO MATTER WHAT THE SOURCE IS OUTPUTTING

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SPECS

- HDMI 2.0A W/HDR & HDCP 2.2
- FIXED OUTPUT OPTIONS 480P, 720P, 1080P & 4K
- ADAPTIVE SCALING MODE
- PLUG & PLAY MATCH DISPLAY PREFERENCE MODE
- 16 EDID OPTIONS (INCLUDING AUTO & HDR EDID OPTIONS)
- EDID MANAGEMENT AND EDID EMULATE
- L/R AUDIO DE-EMBEDDING (PCM ONLY, DOES NOT DOWNMIX)
- TEST PATTERN GENERATION
- SIMPLE, EASY TO USE. 3-BUTTON OPERATION



KEY BENEFITS

FULL HDR SUPPORT: With a plethora of HDR EDIDs to choose from, HDR is now able to be activated on capable displays no matter what the infrastructure requires.

FIXED OUTPUT UP/DOWN SCALING: Most AVR's, matrix switchers, and other peripherals do not have the ability to scale and typically, 4K systems are limited to the maximum resolution of the cheapest or oldest display. The AC-SC2-AUHD-GEN2 is the solution! Simply place the scaler in before the older display/s and enjoy 4K content on the capable displays while keeping the same content on the other displays. The fixed output allows you to "Set it and forget it".

INTERLACED TO PROGRESSIVE SCALING: This advanced technology will help installers overcome problematic 1080i sources by converting interlaced signals to progressive signals.

ADAPTIVE SCALING MODE: This EXCLUSIVE AVPro Edge technology was designed specifically to overcome problems with legacy sources, like set-top boxes outputting 720P or 1080i. When these legacy formats are implemented into modern, high bandwidth distribution systems sink devices can exhibit stability issues. The Adaptive Scaling mode will convert all signals less than 1080P to 1080P and will bypass 4K and HDR signals through untouched. This will allow you to comfortably install legacy sources in modern systems.

THE MOST ADVANCED EDID MANAGEMENT: There are 16 pre-loaded EDID settings from legacy technology (480) to full 4K and HDR Options. This is the only device that will provide this unique EDID combination. The SC2 also has custom user EDID for future use, total customization and EDID bypass for using the sink EDID.

L/R AUDIO DE-EMBEDDING: The SC2 has an audio output which allows audio to be stripped anywhere in a system and re-routed to where it's needed most. AC-SC2-AUHD-GEN2 units can be combined and multiple streams can be stripped from multiple outputs or sources. (PCM only, this does not downmix)

ON BOARD TROUBLESHOOTING: This unit allows you to generate a 720P, 1080P or 4K test pattern to identify external problems (source, repeater, displays, etc...).

APPLICATIONS

- FOR MIXED SYSTEMS WITH SD, HD AND UHD DISPLAYS WITHIN A MATRIX. SINCE A MATRIX WILL TYPICALLY "DOWN-CLOCK" TO THE LOWEST COMMON FORMAT, PUTTING A SCALER IN WILL ESSENTIALLY "TRICK" THE MATRIX INTO SENDING 4K UHD MATERIAL. THE SCALER WILL DOWNSCALE THE CONTENT TO 480 FOR THE HD DISPLAY.
- AS AN AUDIO EXTRACTOR – STAND-ALONE AUDIO EXTRACTORS COST ABOUT THE SAME THING, SO PURCHASING THIS SCALER WHICH DOES SO MUCH MORE, IS A NO BRAINER.
- EDID CAUSES ABOUT 80% OF HDMI CONNECTIVITY ISSUES – THE SC2 CAN FIX THEM ALL.
- EDID CAPTURE AND EMULATION – WOULD YOU LIKE TO TEST END POINTS PRIOR TO HANGING THAT 600 POUND PROJECTOR 100 FEET UP ON THE CEILING? USE THE AC-SC2-AUHD-GEN2 AND YOUR PROBLEM IS SOLVED.

